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| Application/Control No |
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10/828,517 Examiner Applicant(s)/Patent under Reexamination

SEEMAN ET AL.

Art Unit

James J. Debrow

2176

| √  | Rejected |
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| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

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| Clai           | im          |                |                  |  | [  | Date   | =              |           |              |          | Cla          | im       |              |              |  | [            | Date         | 2  |              |          |                 | - | Cla  | aim        |  |              |               |
| Final          | Original    | 9/10/06        | 20/9/9           |  |  |  |                |           |              |          | Final        | Original |              |              |  |              |              |  |              |          |                 |   | Final  | Original   |  |              |               |
|                | 0           | 7              | 7                | <del> </del>                                     | ┢  |  |                | _         | _            | ᅦ        | <del></del>  | 51       | _            |              |  |              |              | <del>                                     </del> | _            | $\Box$   | $\neg$          |   |  | 101        |  |              |               |
|                | 2           | 7              | 7                | _  | $\Box$   |  |                |           |              |          |              | 52       |              |              |  |              |              |  |              |          | $\Box$          |   |  | 102        |  |              |               |
|                | 3           |                |                  |  |  |  |                |           |              |          |              | 53       |              |              |  |              |              |  |              |          |                 |   |  | 103        |  |              |               |
|                | 4           | L              |                  | <u> </u>   | _  |  |                |           | _            | _        |              | 54       |              | <u> </u>     |  |              |              |  | _            |          |                 |   |  | 104        |  |              | $\sqcup$      |
| <u> </u>       | 5           | 4              | Ц                | <u> </u>   | _  | _  |                | _         | _            | _        |              | 55       | _            | _            |  |              |              | _  | <u> </u>     |          |                 |   |  | 105        | _  |              |               |
| 1              | 6           | 1              | Н                | <u> </u>   |  | _  |                | _         |              |          |              | 56       |              | <u> </u>     |  | _            | <u> </u>     |  |              |          |                 |   |  | 106        |  |              | Н             |
|                | 7           | Н_             | $\Box$           | -  | -  | -  | _              | -         | -            |          |              | 57       | <u> </u>     |              |  | _            | _            | $\vdash$   | <del> </del> |          |                 |   |  | 107<br>108 |  | _            | $\vdash$      |
| -              | 8           | #              | +                | ⊢  | ├  | <u> </u>   |                |           | $\dashv$     | $\dashv$ | <b></b> -    | 58<br>59 |              | <u> </u>     |  | -            |              | <del> </del>                                     | $\vdash$     |          |                 |   |  | 109        |  |              |               |
| -              | 9           | ⊩              | H                | _  | -  |  |                | -         | $\dashv$     | $\dashv$ |              | 60       | <u> </u>     | $\vdash$     |  | -            |              | -  | $\vdash$     | _        | _               |   |  | 110        | <del> </del>                                     | _            | $\vdash$      |
| <del>  -</del> | 11          | 1              | 1                | ├  | <del> </del>                                     |  | -              | $\dashv$  | <del>-</del> | $\dashv$ |              | 61       | -            | -            |  | $\vdash$     | _            | $\vdash$   | -            | _        | -               |   |  | 111        | <del>                                     </del> | _            | -             |
| h              | 12          | +              | +                | -  | -  |  | $\vdash$       | $\dashv$  | $\dashv$     |          |              | 62       | H            | ├─           |  | <del> </del> |              | $\vdash$   | $\vdash$     |          |                 |   |  | 112        | $\vdash$   | _            | $\vdash$      |
| -              | 13          | +              | +                | ┢  | ╁  | -  |                | -         | -            | $\dashv$ |              | 63       | -            | <del> </del> | -  | -            |              |  | -            | _        |                 |   |  | 113        |  |              |               |
| 1              | 14          | +              | 1                | <del> </del>                                     |  |  | -              | $\dashv$  | -            | {        |              | 64       | -            | -            | -  |              |              |  | <del> </del> |          |                 |   | ·  | 114        | -  | -            |               |
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|                | 16          | $\top$         | 1                |  | 1  |  |                |           | _            | 一        |              | 66       | _            |              | _  |              |              |  | $\Box$       |          |                 |   |  | 116        | _  |              |               |
|                | 17          |                | 1                |  |  |  |                |           | $\neg$       |          |              | 67       | _            |              |  |              |              |  |              |          |                 |   |  | 117        |  |              |               |
|                | 18          |                | 1                |  |  |  |                |           |              |          |              | 68       |              |              |  |              |              |  |              |          |                 |   |  | 118        |  |              |               |
|                | 19          |                |                  |  |  |  |                |           |              |          |              | 69       |              |              |  |              |              |  |              |          |                 |   |  | 119        |  |              |               |
|                | 2b)         |                | $\prod$          |  |  |  |                |           |              |          |              | 70       | _            | <u> </u>     | L  |              |              |  | L            |          | _               |   |  | 120        | <u>_</u>   |              | _             |
|                | 21          | Ш              |                  |  |  | L  |                |           |              |          |              | 71       |              |              |  | L            |              |  | L            |          | $\sqcup$        |   |  | 121        | <u> </u>   | L            |               |
| ·              | 22          | Ш              | Ш                | _  | <u> </u>   |  |                | _         | _            | [        |              | 72       | _            |              | L  |              |              | _  | _            |          | _               |   |  | 122        | ldash  | _            | Ш             |
|                | 23          | Ц_             | 1                |  | <u> </u>   | _  | Щ              | _         | _            |          | <u> </u>     | 73       |              | _            | _  |              |              | <b> </b>   | _            | <u> </u> | $\dashv$        |   |  | 123        | <u> </u>   |              | Н             |
| -              | 24          | 4              | 1                | <u> </u>   | <b> </b>   |  | _              | _         | _            | {        |              | 74       | _            | _            | ⊢  | _            |              | <u> </u>   | <u> </u>     | _        |                 |   |  | 124        | ├—   | -            | $\vdash$      |
| -              | 25          | 1              | 1                | <u> </u>   | ├  | <del> </del>                                     | <del>  -</del> |           |              | $\dashv$ |              | 75       | <del> </del> | -            |  | -            | _            | <u> </u>   | ⊢            |          |                 |   |  | 125<br>126 | ⊢  | <u> </u>     | -             |
|                | 26          | <b>H</b> -     | 1                |  | ⊢  | ⊢  | ļ.<br>H        |           |              | $\dashv$ | <u> </u>     | 76<br>77 |              | _            | ├  | <u> </u>     | _            | -  | ⊢            |          | $\dashv$        |   | -  | 127        | <del> </del>                                     |              |               |
|                | 27<br>08)   | ⊬              | -                | -  | ├  | <del> </del> —                                   | _              | -         | -            |          |              | 78       | ┝            | -            |  | <del> </del> | _            | ⊢  | ├            | $\vdash$ |                 |   |  | 128        | <del> </del>                                     | $\vdash$     | Н             |
| <del></del>    | 29          | -              | <del>  </del> -  | <del> </del>                                     | ┢  | $\vdash$   |                |           |              | $\dashv$ |              | 79       |              | <del> </del> | ╁  | ┝            |              |  |              | -        | $\dashv$        |   |  | 129        | <del> </del>                                     | -            | -             |
| <del> </del>   | 30          | ╟              | ╂-               |  | ├  | ┢  |                | -         | -            | ᅱ        |              | 80       |              | ╁            | $\vdash$   | <del> </del> | $\vdash$     |  |              |          | $\dashv$        |   |  | 130        | _  | -            |               |
| <del> </del> - | 31          | 1              | #                | ╁  | ┢  | $\vdash$   |                | _         |              | ᅱ        |              | 81       | -            | $\vdash$     | -  |              | $\vdash$     | ┢  | $\vdash$     | _        |                 |   |  | 131        | <del>                                     </del> |              | -             |
| i-             | 32          | 1              | <del>  ] -</del> |  | -  | -  | -              | _         |              | _        |              | 82       | -            |              | -  | i            | i            |  |              |          |                 |   |  | 132        | _  |              | <u> </u>      |
|                | 33          | 1              | Ħ                | T  | †  |  |                |           |              | _        |              | 83       | _            | <u> </u>     | Т  | <u> </u>     |              | 一<br>  |              |          |                 |   |  | 133        | _  | _            |               |
|                | 34          | 1              |                  |  |  |  |                |           |              |          |              | 84       |              |              |  |              |              |  |              |          |                 |   |  | 134        |  |              |               |
|                | 35          |                | $\prod$          |  |  |  |                |           |              |          |              | 85       |              |              |  | 匚            | 匚            |  | 匚            |          |                 |   |  | 135        |  | 匚            |               |
|                | 36<br>37)   | $\prod$        | $\prod$          |  | 匚  | L  |                |           |              |          |              | 86       | _            | <u> </u>     | L  |              | <u> </u>     |  | <u> </u>     | _        |                 |   |  | 136        | <u> </u>   |              | $  \_  $      |
|                | <u>(12)</u> |                | $\sqcup$         |  |  | <u> </u>   | _              |           | $\Box$       | _        |              | 87       | <u> </u>     | <u>L</u>     | <u> </u>   |              | <u> </u>     | _  | <u> </u>     |          |                 |   |  | 137        |  | _            | $\sqcup$      |
|                | 38          |                | ⇊                | ļ. <u>.</u>                                      |  | <u> </u>   | <u> </u>       |           | _            | _        |              | 88       | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>     | L            | <u> </u>   | ـــــ        | <u> </u> |                 |   |  | 138        | <u> </u>   | <u> </u>     | $\sqcup$      |
| <b></b>        | 39          | 1              | $oxed{\bot}$     | lacksquare                                       | <u> </u>   | <u> </u>   |                | Ш         | $\dashv$     | $\dashv$ |              | 89       | <b>├</b>     | -            | <u> </u>   | -            | <del> </del> | <u> </u>   | ⊢            | <u> </u> | Ш               |   |  | 139        |  |              | $\vdash$      |
|                | 40          | #              | 1                | ₩  | <del>  -</del>                                   | <b> -</b>  | -              | $\square$ | -            | $\dashv$ | <u></u>      | 90       | ├            | ├—           | <u> </u>   | -            | <del> </del> |  | ₩            | <u> </u> | $\vdash \vdash$ |   |  | 140<br>141 |  |              | <del>  </del> |
| -              | 41          | -              | ╁                | ⊢  | <del>  .</del>                                   | $\vdash$   | $\vdash$       |           |              |          |              | 91<br>92 |              |              | $\vdash$   | -            | $\vdash$     | -  | ├-           |          | $\vdash \vdash$ |   | <u> </u>   | 141        |  | <del> </del> |               |
| <del></del>    | 42<br>43    | 1              | 1                | $\vdash$   | ┢  | <del> </del>                                     |                |           |              | $\dashv$ | <del> </del> | 93       |              | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | -  | ├            | _        | $\vdash\vdash$  |   | <del>                                     </del> | 143        | -  |              |               |
|                | 43          | <del>  `</del> | <u>'</u>         | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |                |           |              | $\dashv$ | <del> </del> | 94       | -            | ╁            | <del>                                     </del> | $\vdash$     |              | -  | <del> </del> |          |                 |   | <b></b> -  | 144        | <del>                                     </del> |              | -             |
| 1-1            | 45          | -              | <del> </del>     | ├  | <del> </del>                                     | ╁  | $\vdash$       |           |              |          |              | 95       |              |              | -  | $\vdash$     | $\vdash$     | $\vdash$   | ╁            | -        |                 |   |  | 145        | $\vdash$   | -            | $\vdash$      |
|                | 46          | -              | <del> </del>     | ╁  | <del>                                     </del> | $\vdash$   | -              | $\vdash$  | $\dashv$     | $\dashv$ | <del></del>  | 96       | $\vdash$     | $\vdash$     | $\vdash$   |              | ┢            |  | ┢            | $\vdash$ | $ \neg $        |   | _  | 146        | 1  |              |               |
|                | 47          | -              | $\vdash$         | $\vdash$   | <del>                                     </del> |  |                |           | $\dashv$     | $\dashv$ |              | 97       | $\vdash$     | $\vdash$     | 1  | 1-           |              | <del>                                     </del> | 1            | -        |                 |   | <del></del>                                      | 147        | $\vdash$   |              |               |
|                | 48          | Τ              | $\vdash$         | T  |  | $I^-$  |                |           |              |          |              | 98       |              |              |  |              |              |  |              |          |                 |   |  | 148        |  |              |               |
|                | 49          |                |                  |  |  |  |                |           |              |          |              | 99       |              |              |  |              |              |  |              |          |                 |   |  | 149        |  |              |               |
|                | 50          |                | $\Gamma^-$       |  |  |  |                |           |              |          |              | 100      |              |              |  |              |              |  |              |          |                 |   |  | 150        |  |              |               |

| Cla         | Date  |              |  |  |  |  |  |  |  |                 |  |  |  |
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|             | 101   |              |  |  |  |  |  |  |  |                 |  |  |  |
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|             | 102<br>103  |              |  |  |  |  |  | _  |  |                 |  |  |  |
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|             | 105   |              | _  |  |  | _  | П  | _  |  |                 |  |  |  |
|             | 105<br>106  |              | —  | _  | -  |  |  |  | _  | -               |  |  |  |
|             | 107   |              | _  | _  | $\vdash$   |  | -  | _  | _  | -               |  |  |  |
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|             | 111<br>112<br>113   |              |  |  |  |  |  |  |  |                 |  |  |  |
|             | 114   |              |  |  |  |  |  |  |  |                 |  |  |  |
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|             | 121   | <u> </u>     |  |  | <u> </u>   | ├—   | <del> </del>                                     |  |  | Н               |  |  |  |
|             | 122   |              | _  | _  | _  | ١ <u>٠</u>                                       |  | -  |  | <u> </u>        |  |  |  |
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|             | 125<br>126<br>127   | <u>_</u>     |  | <u> </u>   |  |  |  | <u> </u>   | _  |                 |  |  |  |
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|             | 130   |              |  |  |  |  |  |  |  |                 |  |  |  |
|             | 131<br>132  |              |  | _  |  |  | <u> </u>   | Γ  | Γ  |                 |  |  |  |
|             | 132   |              | -  |  |  |  |  | <u> </u>   | _  | _               |  |  |  |
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|             | 133<br>134  | _            | _  | l  | Г  |  | Γ  |  | Γ  |                 |  |  |  |
|             | l 135   |              | -  | <del>                                     </del> | _  |  | _  | $\overline{}$                                    | <del>                                     </del> | $\neg$          |  |  |  |
|             | 136   |              | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   |  | _  | <del>                                     </del> | $\vdash$        |  |  |  |
| <del></del> | 136<br>137  | $\vdash$     | <del>                                     </del> | ┪  | <del>                                     </del> |  |  |  |  | $\vdash$        |  |  |  |
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| <u> </u>    | 141   | <del> </del> |  | <del> </del>                                     | $\vdash$   | $\vdash$   | <del>                                     </del> | -  |  |                 |  |  |  |
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| <u> </u>    | 144   | <b>—</b>     | <del> </del> —                                   | <u> </u>   |  |  |  |  |  |                 |  |  |  |
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